

OIL ANALYSIS REPORT

VOLVO PENTA

CHRIS OLSON 44430 VOLVO PENTA 3940021672 - PORT IPS

Sample No: VPA055127

Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5

SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | VPA055127 | VPA031367 | --- | --- |
| Sample Date | 19 Feb 2024 | 11 May 2021 | --- | --- |
| Machine Hours | 485 | 215 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | Changed | Not Changd | --- | --- |
| Sample Status | ABNORMAL | NORMAL | --- | --- |

OIL CONDITION

| | | | | | |
|-------------|-----|-------|-------|-----|-----|
| Visc @ 40°C | cSt | █ 111 | █ 108 | --- | --- |
|-------------|-----|-------|-------|-----|-----|

CONTAMINATION

| | | | | | |
|-----------|-----|---------|-----|-----|-----|
| Water | % | ▲ 0.649 | NEG | --- | --- |
| Silicon | ppm | █ 21 | 5 | --- | --- |
| Sodium | ppm | █ 47 | <1 | --- | --- |
| Potassium | ppm | █ 4 | 0 | --- | --- |

WEAR METALS

| | | | | | |
|------------|-----|-------|------|-----|-----|
| PQ | | █ 11 | █ 26 | --- | --- |
| Iron | ppm | ▲ 248 | █ 32 | --- | --- |
| Copper | ppm | █ 22 | 3 | --- | --- |
| Lead | ppm | █ 1 | <1 | --- | --- |
| Tin | ppm | <1 | <1 | --- | --- |
| Aluminum | ppm | █ 11 | <1 | --- | --- |
| Chromium | ppm | █ 1 | █ <1 | --- | --- |
| Molybdenum | ppm | █ <1 | █ <1 | --- | --- |
| Nickel | ppm | █ 4 | █ <1 | --- | --- |
| Titanium | ppm | █ 0 | <1 | --- | --- |
| Silver | ppm | █ 0 | <1 | --- | --- |
| Manganese | ppm | █ 5 | █ <1 | --- | --- |
| Vanadium | ppm | █ 0 | 0 | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|--------|--------|-----|-----|
| Calcium | ppm | █ 10 | █ 2 | --- | --- |
| Magnesium | ppm | █ 12 | █ 11 | --- | --- |
| Zinc | ppm | █ 24 | █ <1 | --- | --- |
| Phosphorus | ppm | █ 1334 | █ 1405 | --- | --- |
| Barium | ppm | █ 0 | █ 0 | --- | --- |
| Boron | ppm | █ 278 | █ 317 | --- | --- |

COASTAL CAROLINA YACHT SALES

145 LOCKWOOD BLVD
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F:

Diagnosis

We advise that you check for the source of water entry. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. There is a moderate concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP568144
Unique No: 10898623
Signed: Jonathan Hester
Report Date: 28 Feb 2024

OIL ANALYSIS REPORT



GRAPHS

